

# **IEEE International Symposium on Industrial Electronics ISIE'17**

**19-21 June 2017, Edinburgh, Scotland**

**Special Session on**

## **“Advanced Power Electronics for Power Quality in Distributed Power Systems”**

**organized by**

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### **Call for Papers**

Theme: The integration of nonlinear devices (motor drives, renewable energy generators) into the grid reduces its power quality, performance and reliability. Various power electronics converters for harmonic compensation were recently introduced. Great efforts are continuously deployed on the structural and control levels to achieve optimized cost-effective solutions for power quality enhancement. This session is intended to give an insight on the latest studies concerning the design and development of power electronics converters dedicated to power quality improvement in modern power systems.

Topics of interest include, but are not limited to:

- 1) Active and hybrid power filters
- 2) High power factor rectifiers

- 3) Multilevel and matrix converters for grid-connectivity of renewable sources
- 4) Unified power quality controllers
- 5) PWM advanced control techniques in power quality systems
- 6) Modeling methods and real-time simulations of power quality systems

**Submission procedure, deadlines, and author instructions:**

A manuscript submitted to the Special Session of ISIE 2017 must be in the IEEE double format with single space 10p fonts and figures included in the text, so the length of the manuscript of 8 pages long in PDF format can be evaluated. For your convenience you may download the WORD template.doc from the conference website: <http://www.ISIE2017.org>

**Deadlines:**

- Reception of full paper: December 15<sup>th</sup> 2016
- Paper acceptance notification: March 1<sup>st</sup> 2017
- Camera ready paper reception: April 10<sup>th</sup> 2017